

## SENCOR SWS 4250

# SENCOR SWS 4250 Weather Station User Manual

Model: SWS 4250

## 1. INTRODUCTION

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Thank you for choosing the SENCOR SWS 4250 Weather Station. This device provides accurate indoor and outdoor temperature and humidity readings, along with a weather forecast based on atmospheric pressure changes. It also features a radio-controlled clock, date, and day of the week display. Please read this manual carefully before use to ensure proper operation and to maximize the lifespan of your device.

## 2. PACKAGE CONTENTS

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- SENCOR SWS 4250 Main Unit
- SWS TH4250 Wireless Outdoor Sensor (1 unit)
- DC 4.5 V / 150 mA Power Adapter
- User Manual (this document)

## 3. PRODUCT OVERVIEW

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**Image 1:** The SENCOR SWS 4250 Weather Station main unit (left) and the SWS TH4250 wireless outdoor sensor (right). The main unit features a color LCD display showing time, date, day of the week, weather forecast symbols, indoor temperature and humidity, and outdoor temperature and humidity. The outdoor sensor is a compact black unit with a small display showing temperature and channel.

## 4. SETUP

### 4.1 Powering the Devices

1. **Outdoor Sensor:** Open the battery compartment on the SWS TH4250 sensor. Insert 2 x 1.5 V AA batteries (not included), observing the correct polarity (+/-). Close the compartment.
2. **Main Unit:** Insert 3 x 1.5 V AAA batteries (not included) into the battery compartment on the back of the main unit, observing the correct polarity. Alternatively, connect the provided DC 4.5 V / 150 mA power adapter to the main unit and a power outlet. Using the power adapter will ensure continuous backlight for the color LCD display.

### 4.2 Initial Synchronization

After powering both units, the main unit will automatically attempt to connect with the outdoor sensor. Ensure the sensor is within range (up to 30 meters outdoors). The outdoor temperature and humidity should appear on

the main unit's display. If not, refer to the Troubleshooting section.

### 4.3 DCF77 Radio-Controlled Time

The main unit will automatically attempt to receive the DCF77 radio signal for accurate time and date synchronization. This process may take several minutes or hours depending on your location and environmental conditions. Ensure the unit is placed away from sources of interference. The time can also be set manually if the DCF77 signal is not available or desired.

### 4.4 Placement

- **Main Unit:** Place the main unit indoors on a flat surface (for standing) or mount it on a wall. Choose a location where the display is easily visible and away from direct sunlight or heat sources that could affect indoor temperature readings.
- **Outdoor Sensor:** Mount the outdoor sensor in a sheltered location to protect it from direct rain and sunlight, which can affect accuracy. Ensure it is within the 30-meter transmission range of the main unit and that there are no major obstructions.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Display Overview

The color LCD display shows the following information:

- **Weather Forecast Symbols:** Sunny, slightly cloudy, cloudy, rain.
- **Digital Time:** 12/24 hour format selectable.
- **Date and Day of the Week.**
- **Indoor Temperature and Humidity.**
- **Outdoor Temperature and Humidity.**
- **Min/Max Memory:** Records the minimum and maximum temperature and humidity values.

### 5.2 Setting Time and Date

If the DCF77 signal is not received or you wish to set the time manually:

1. Press and hold the 'SET' button (location typically on the back or side of the unit) to enter time setting mode.
2. Use the '+' or '-' buttons to adjust the flashing value (e.g., hour, minute, year, month, day).
3. Press 'SET' again to confirm the setting and move to the next parameter.
4. Repeat until all settings are complete. The unit will exit setting mode automatically after a period of inactivity or by pressing 'SET' one last time.

### 5.3 Temperature Unit Selection

Press the '°C/°F' button (usually on the back or side) to switch between Celsius and Fahrenheit temperature display.

### 5.4 Min/Max Memory

Press the 'MEM' button to view the recorded minimum and maximum indoor/outdoor temperature and humidity values. Press 'MEM' again to cycle through min, max, and current readings. To clear the memory, press and hold the 'MEM' button while viewing the min/max values.

## 5.5 Snooze Function

If the unit has an alarm function, the 'SNOOZE' button (often combined with the backlight button) will temporarily silence the alarm for a set period.

## 5.6 Multi-Sensor Support

The SWS 4250 main unit supports up to 3 wireless outdoor sensors. If you have additional SWS TH4250 sensors (sold separately), you can add them by following the pairing instructions in their respective manuals. The main unit will cycle through the connected sensor channels or allow manual selection.

## 6. MAINTENANCE

- **Cleaning:** Clean the main unit and sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in both the main unit and the outdoor sensor when the low battery indicator appears on the display. Ensure correct polarity.
- **Storage:** If the device will not be used for an extended period, remove all batteries to prevent leakage.
- **Environmental Conditions:** Avoid exposing the main unit to extreme temperatures, direct sunlight, or high humidity. The outdoor sensor is designed for outdoor use but should be protected from direct precipitation.

## 7. TROUBLESHOOTING

- **No Display on Main Unit:**
  - Check if the power adapter is securely connected or if the AAA batteries are inserted correctly and are not depleted.
- **No Outdoor Temperature/Humidity Reading:**
  - Ensure the outdoor sensor has fresh AA batteries and is within the 30-meter transmission range of the main unit.
  - Check for obstructions between the main unit and the sensor.
  - Try re-synchronizing the sensor by removing and reinserting its batteries, then pressing the 'CHANNEL' or 'SYNC' button on the main unit (if available).
- **Incorrect Time/Date:**
  - Verify that the DCF77 signal reception icon is displayed. If not, try relocating the main unit to an area with better reception.
  - Manually set the time and date as described in section 5.2.
- **Inaccurate Readings:**
  - Ensure both units are placed away from direct heat sources, cold drafts, or direct sunlight.
  - Allow some time for the readings to stabilize after initial setup or relocation.

## 8. SPECIFICATIONS




Model	SWS 4250
Indoor Temperature Range	0°C to +50°C (32°F to 122°F)
Outdoor Temperature Range	-20°C to +60°C (-4°F to 140°F)

<b>Humidity Range (Indoor &amp; Outdoor)</b>	20% to 90% rF
<b>Temperature Accuracy</b>	±1°C
<b>Transmission Frequency</b>	433 MHz
<b>Transmission Range</b>	Up to 30 m (outdoor, open area)
<b>Main Unit Power</b>	3 x 1.5 V AAA batteries (not included) or DC 4.5 V / 150 mA adapter (included)
<b>Sensor Power</b>	2 x 1.5 V AA batteries (not included)
<b>Main Unit Dimensions (W x H x D)</b>	173 x 125 x 22 mm (6.81 x 4.92 x 0.87 inches)
<b>Main Unit Weight</b>	238 g (15.66 ounces)
<b>Special Feature</b>	Lightweight, Color LCD Display, Radio-controlled Time (DCF77)

## 9. WARRANTY AND SUPPORT

SENCOR products are manufactured to high-quality standards. For information regarding warranty terms and conditions, please refer to the warranty card included with your purchase or visit the official SENCOR website. For technical support or service inquiries, please contact SENCOR customer service through their official channels.

### Related Documents - SWS 4250

 <p>SENCOR® SWS 9300</p> <p>USER MANUAL KĽÚČOVÝ PRÍRUČNÍK POUŽÍVATEĽSKÁ PRÍRUČKA FELHASZNÁLÓI ÚTLEÍRŐ BETRIJFHANDLEIDING</p>	<p><a href="#">SENCOR SWS 9300 5-in-1 Wireless Weather Station User Manual</a></p> <p>This user manual provides comprehensive instructions for the SENCOR SWS 9300 wireless weather station. It covers setup, operation, features like indoor/outdoor temperature, humidity, wind speed, wind direction, rainfall, barometric pressure, weather forecasting, and alarm functions. Includes troubleshooting tips, safety precautions, and technical specifications.</p>
 <p>SENCOR® SWS 8700</p> <p>USER MANUAL KĽÚČOVÝ PRÍRUČNÍK POUŽÍVATEĽSKÁ PRÍRUČKA FELHASZNÁLÓI ÚTLEÍRŐ BETRIJFHANDLEIDING</p>	<p><a href="#">Sencor SWS 8700 Wireless Weather Station User Manual</a></p> <p>Comprehensive user manual for the Sencor SWS 8700 wireless weather station. This guide covers setup, operation, features like temperature and humidity monitoring, weather forecasting, alarms, specifications, and disposal instructions.</p>
 <p>SENCOR® SWS 5600</p> <p>EN • INSTRUCTION MANUAL CS • NÁVOD K OBSLUZE SK • NÁVODNA K OBSLUZE HU • HASZNÁLATI ÉS SZERELÉSI UTASÍTÁS PL • INSTRUKCJA OBSŁUGI</p> <p>WEATHER STATION METEOROLOGICKÁ STANICE METEOROLOGICKA STANICA METEOROLÓGIAI ÁLLOMÁS STACJA POKRYCZNA</p>	<p><a href="#">Sencor SWS 5600 Weather Station Instruction Manual</a></p> <p>Comprehensive instruction manual for the Sencor SWS 5600 weather station, covering features, installation, operation, and troubleshooting.</p>

